



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1226206  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well  Re-Entry  Workover
- Oil  WSW  SWD  SIOW
- Gas  D&A  ENHR  SIGW
- OG  GSW  Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD
- Plug Back  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

ENHR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or  
Recompletion Date

Date Reached TD

Completion Date or  
Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1226206

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	H & C Oil Operating Inc.
Well Name	Paxson-Rice Unit 26-1
Doc ID	1226206

All Electric Logs Run

Microresisitvity log
dual induction log
Dual compensated porosity log
Sector Bond/Gamma Ray CCL Log

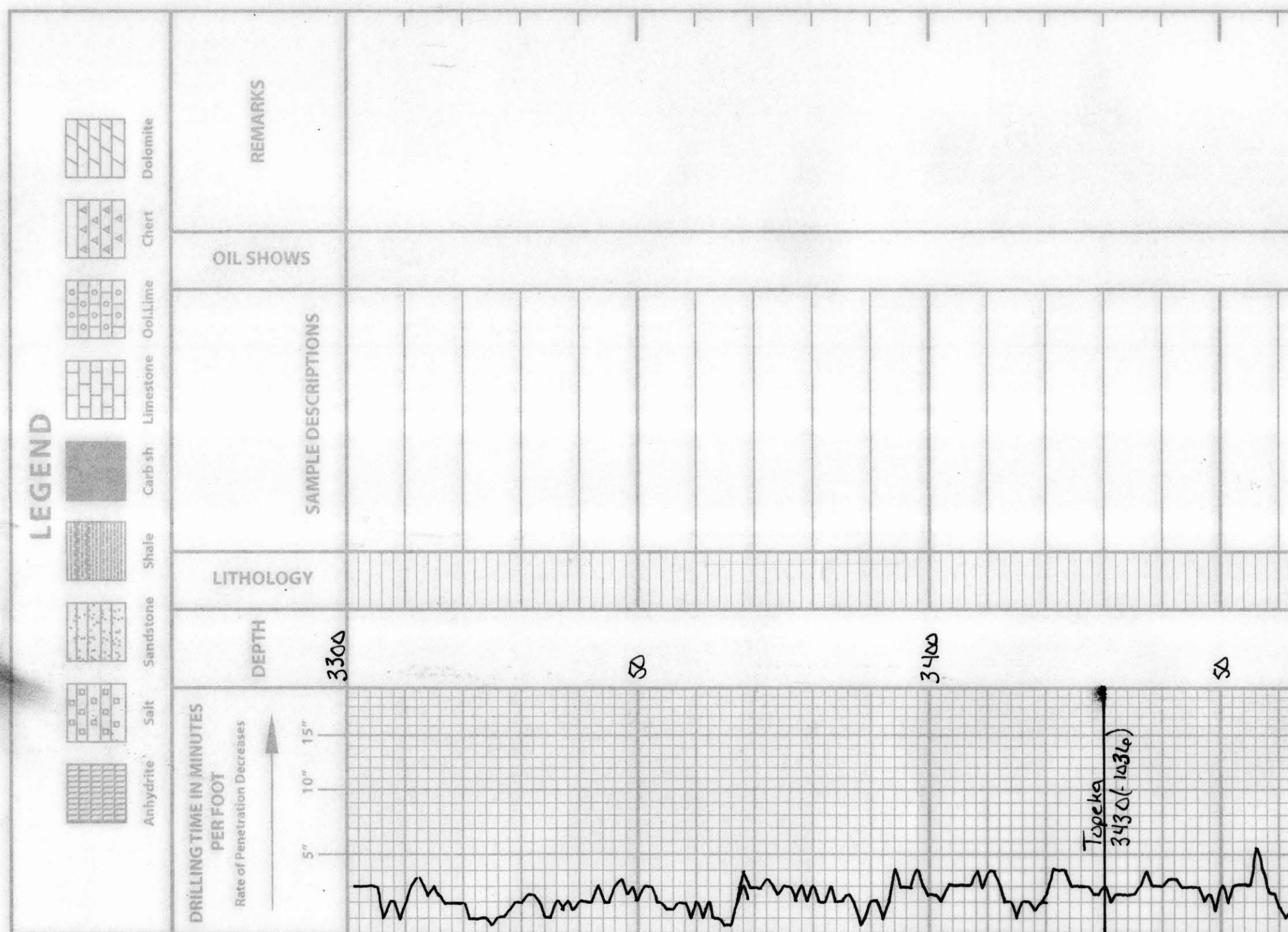


<b>Marc A. Downing</b>			<b>Geologic Report</b>	
Consulting Petroleum Geologist			Drilling Time and Sample Log	
Operator H&C Oil Operating, Inc.		KB	Elevation	2394
Lease Paxson-Rice Unit No. 26-1		DF		
API # 15-065-24062-0000		GL		2387
Field Wildcat		Casing Record Surface		
Location 1220' FSL & 2640' FWL		8 5/8" @ 262' 5 1/2" @ 3935'		
Sec. 26 Twp. 7s Rge. 24w		Electrical Surveys		
County Graham State Kansas		CNL/CDL, DIL, MEL		
Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	2088	2090	+304	NA
Base Anhydrite	2123	2123	+271	NA
Topeka	3430	3430	-1036	+21
Heebner	3634	3636	-1242	+16
Toronto	3657	3660	-1266	NA
LKC	3672	3675	-1281	NA
BKC	3877	3878	-1484	+23
Total Depth	3936	3935	-1541	
Reference Well For Structural Comparison Peel-Hardman Oil Producers Scheitzer #1 SE SE NW Sec. 26-7s-24w				

**Summary and Recommendations**  
Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion.

Perforate:  
LKC A: 3677-3682  
LKC C: 3710-3714 (Before Abandonment)

Respectfully Submitted,  
Marc A. Downing



Drilling Contractor American Eagle, Rig #2  
 Commenced 9-15-14 Completed 9-22-14  
 Samples Saved From 3550 To RTD  
 Drilling Time Kept From 3300 To RTD  
 Samples Examined From 3550 To RTD  
 Geological Supervision From 3300 To RTD

**REMARKS**  
 Vis: 49 Wt: 9.0  
 DST #1  
 3665-3693  
 30-45 30-45  
 I.F. - 608 8 min / 3" STB  
 F.F. - 608 7 min / 5" STB  
 I.F.F. - 37-131  
 F.P.P. - 150-233  
 S.F.P. - 1161-1177  
 H.P. - 1803-1730  
 Rec.:  
 461' GIP  
 315' CO  
 124' Hoema 30/10, 40/10  
 189' ocum 1020, 1022, 1024  
 BHT: 117-6-31.8 Chlky. gyp  
 DST #2  
 3490-3710  
 30-30-30-30  
 I.F. - 1"  
 F.F. - Dead  
 I.F.P. - 27-38  
 F.P.P. - 34-45  
 S.F.P. - 1514-985  
 H.P. - 1832-1777  
 Rec.:  
 35' acm 2070  
 BHT: 111'  
 DST #3  
 3778-3840  
 30-30-30-30  
 I.F. - 3 1/4"  
 F.F. - Dead  
 I.F.P. - 64-64  
 F.P.P. - 64-63  
 S.F.P. - 80-70  
 H.P. - 1493-1451  
 Rec.:  
 3' M  
 BHT: 112"  
 M.A. Downing



## DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc.**

P.O. Box 86  
Plainville KS. 67603

ATTN: Mark Downing / Charl

**26-7s-24w Graham,KS**

**Paxson-Rice Unit #26-1**

Start Date: 2014.09.19 @ 22:52:00

End Date: 2014.09.20 @ 07:04:00

Job Ticket #: 60532                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.23 @ 11:14:49



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

ATTN: Mark Downing / Charl

Job Ticket: 60532

**DST#: 1**

Test Start: 2014.09.19 @ 22:52:00

## GENERAL INFORMATION:

Formation: **LKC. "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:10:45

Time Test Ended: 07:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 72

**Interval: 3665.00 ft (KB) To 3693.00 ft (KB) (TVD)**

Reference Elevations: 2394.00 ft (KB)

Total Depth: 3693.00 ft (KB) (TVD)

2388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 6772 Outside**

Press@RunDepth: 233.16 psig @ 3667.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.19

End Date:

2014.09.20

Last Calib.: 2014.09.20

Start Time: 22:52:05

End Time:

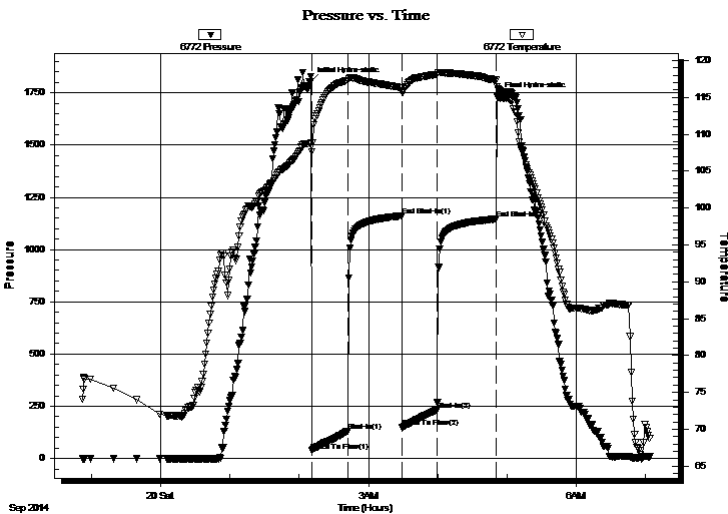
07:03:59

Time On Btm: 2014.09.20 @ 02:10:00

Time Off Btm: 2014.09.20 @ 04:52:15

**TEST COMMENT:** I.F. - 30 - BOB in 8 min  
I.S.I. - 45 - Weak surface blow back built to 3"  
F.F. - 30 - BOB in 7 min  
F.S.I. - 45 - Weak surface blow back built to 5"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.81	108.79	Initial Hydro-static
1	36.52	107.59	Open To Flow (1)
32	130.79	117.32	Shut-In(1)
79	1161.18	116.28	End Shut-In(1)
80	149.89	115.71	Open To Flow (2)
110	233.16	118.08	Shut-In(2)
161	1147.23	117.35	End Shut-In(2)
163	1730.20	116.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	S,O,C,M,W, 10%O 30%M 60%W	2.37
126.00	H,O,C,M,W, 30%O 30%M 40%W	1.77
315.00	C/O 100%	4.42
0.00	461' G.I.P. 100%	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



# TRILOBITE TESTING, INC

## DRILL STEM TEST REPORT

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

Job Ticket: 60532 **DST#: 1**

ATTN: Mark Downing / Charl

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Tester: Bob Hamel

Unit No: 72

**Interval: 3665.00 ft (KB) To 3693.00 ft (KB) (TVD)**

Reference Elevations: 2394.00 ft (KB)

Total Depth: 3693.00 ft (KB) (TVD)

2388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

### Serial #: 8167

Press@RunDepth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.19

End Date: 2014.09.20

Last Calib.: 1899.12.30

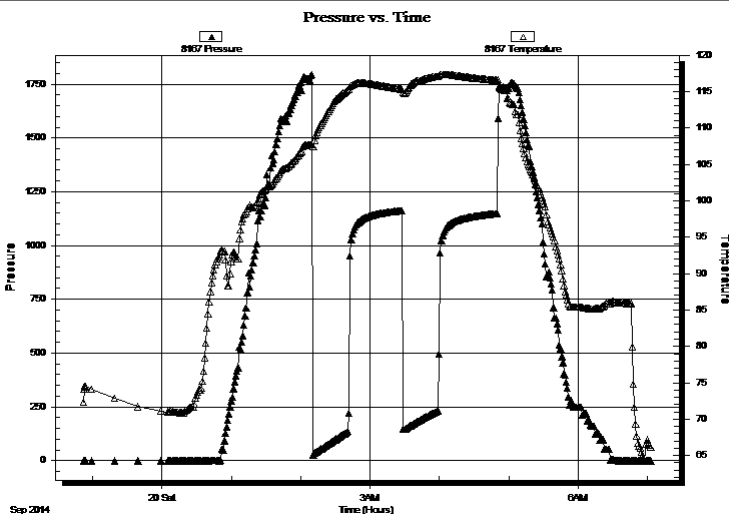
Start Time: 22:52:05

End Time: 07:03:29

Time On Btm:

Time Off Btm:

TEST COMMENT: I.F. - 30 - BOB in 8 min  
I.S.I. - 45 - Weak surface blow back built to 3"  
F.F. - 30 - BOB in 7 min  
F.S.I. - 45 - Weak surface blow back built to 5"



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
189.00	S,O,C,M,W, 10%O 30%M 60%W	2.37
126.00	H,O,C,M,W, 30%O 30%M 40%W	1.77
315.00	C/O 100%	4.42
0.00	461' G.I.P. 100%	0.00

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

Job Ticket: 60532

**DST#: 1**

ATTN: Mark Downing / Charl

Test Start: 2014.09.19 @ 22:52:00

## Tool Information

Drill Pipe:	Length: 3638.00 ft	Diameter: 3.80 inches	Volume: 51.03 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 51.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3665.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3646.00	
Shut In Tool	5.00			3651.00	
Hydraulic tool	5.00			3656.00	
Packer	5.00			3661.00	20.00 Bottom Of Top Packer
Packer	4.00			3665.00	
Stubb	1.00			3666.00	
Perforations	1.00			3667.00	
Recorder	0.00	6772	Outside	3667.00	
Recorder	0.00	8167	Inside	3667.00	
Perforations	23.00			3690.00	
Bullnose	3.00			3693.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 48.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

Job Ticket: 60532      **DST#: 1**

ATTN: Mark Downing / Charl

Test Start: 2014.09.19 @ 22:52:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31.8 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 96000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 500.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

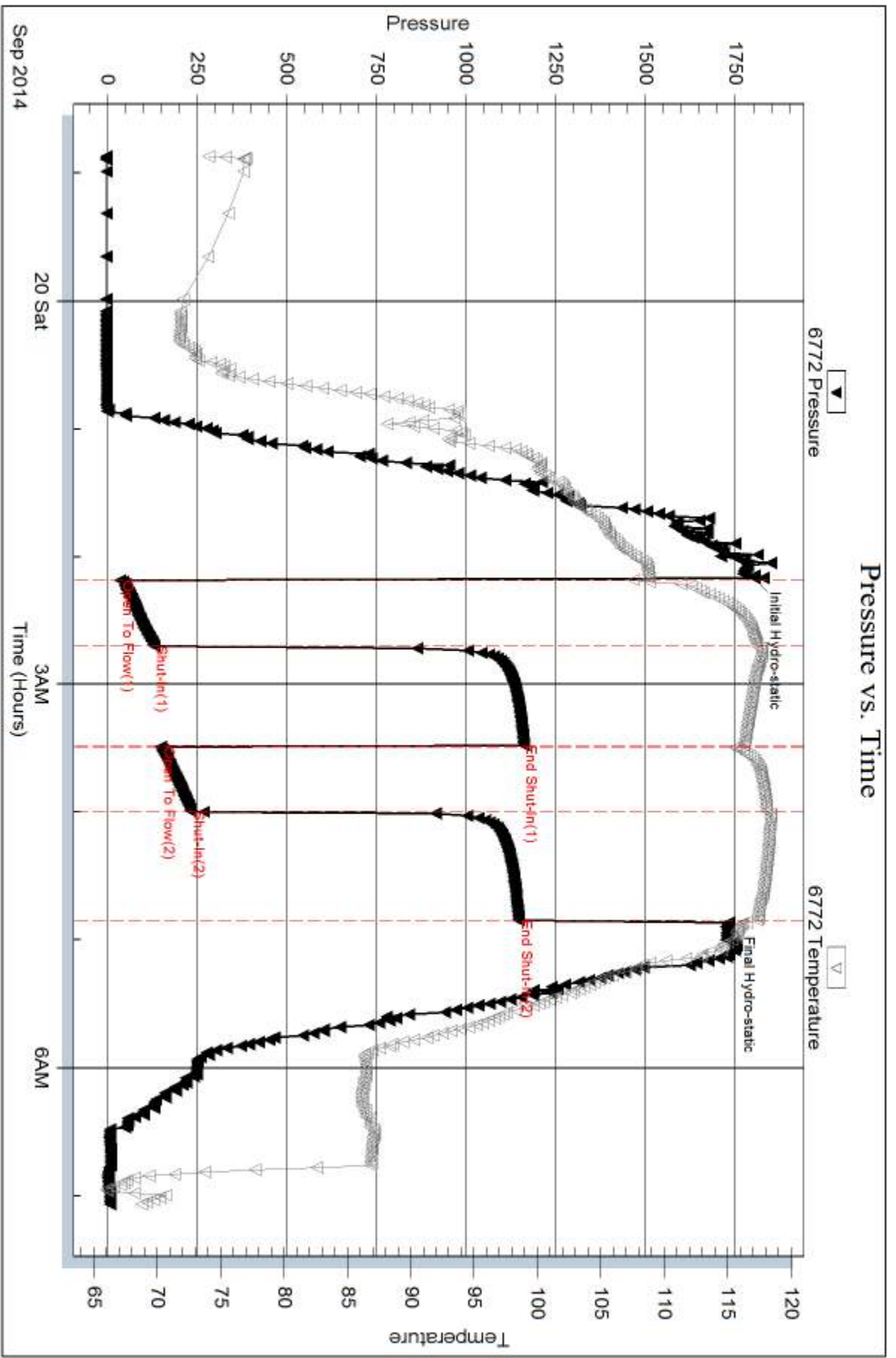
Length ft	Description	Volume bbl
189.00	S,O,C,M,W, 10%O 30%M 60%W	2.369
126.00	H,O,C,M,W, 30%O 30%M 40%W	1.767
315.00	C/O 100%	4.419
0.00	461' G.I.P. 100%	0.000

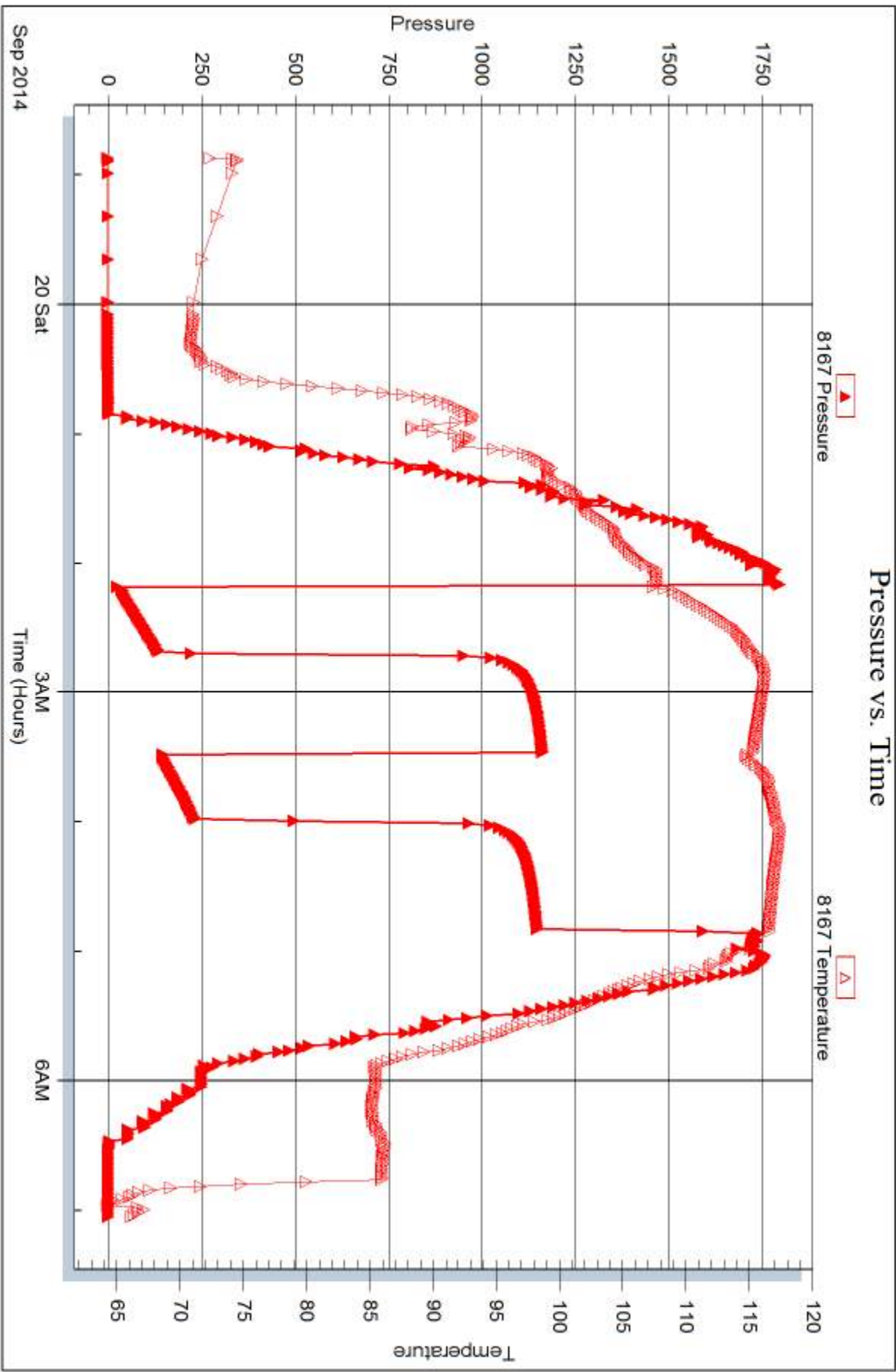
Total Length: 630.00 ft      Total Volume: 8.555 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc.**

P.O. Box 86  
Plainville KS. 67603

ATTN: Mark Downing / Charl

**26-7s-24w Graham,KS**

**Paxson-Rice Unit #26-1**

Start Date: 2014.09.20 @ 14:32:00

End Date: 2014.09.20 @ 21:30:00

Job Ticket #: 60533                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.23 @ 11:14:21



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

ATTN: Mark Downing / Charl

Job Ticket: 60533

**DST#: 2**

Test Start: 2014.09.20 @ 14:32:00

## GENERAL INFORMATION:

Formation: **LKC "C - D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:23:15

Time Test Ended: 21:30:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

**Interval: 3690.00 ft (KB) To 3730.00 ft (KB) (TVD)**

Total Depth: 3730.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2394.00 ft (KB)

2388.00 ft (CF)

KB to GR/CF: 6.00 ft

**Serial #: 6772 Outside**

Press@RunDepth: 45.12 psig @ 3694.00 ft (KB)

Start Date: 2014.09.20

End Date: 2014.09.20

Start Time: 14:32:05

End Time: 21:29:59

Capacity: 8000.00 psig

Last Calib.: 2014.09.20

Time On Btm: 2014.09.20 @ 17:22:45

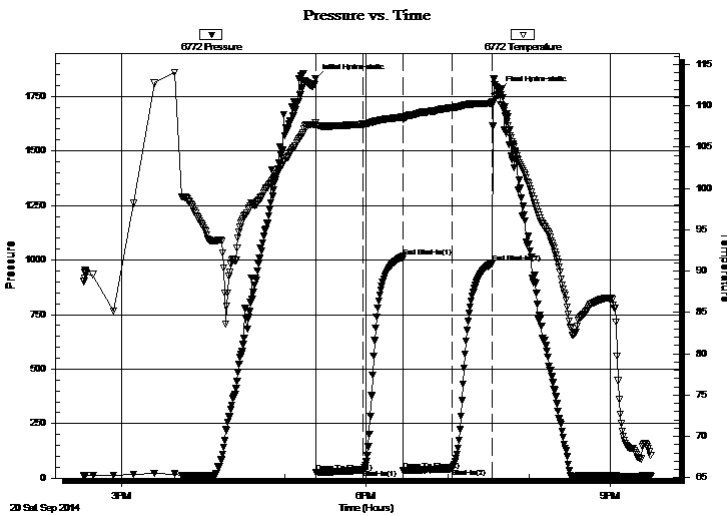
Time Off Btm: 2014.09.20 @ 19:38:15

TEST COMMENT: I.F. - 30 - Weak surface blow built to 1"

I.S.I. - 30 - No blow back

F.F. - 30 - No blow

F.S.I. - 30 - No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1831.59	107.95	Initial Hydro-static
1	26.66	107.56	Open To Flow (1)
36	38.49	107.79	Shut-In(1)
65	1015.97	108.63	End Shut-In(1)
65	36.37	108.39	Open To Flow (2)
101	45.12	109.77	Shut-In(2)
130	985.09	110.32	End Shut-In(2)
136	1777.40	111.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	O,C,M, 20%O 80%M	0.21

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

H & C Oil Operating Inc.

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P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

ATTN: Mark Downing / Charl

Job Ticket: 60533 **DST#: 2**

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Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2394.00 ft (KB)

2388.00 ft (CF)

KB to GR/CF: 6.00 ft

**Serial #: 8167      Inside**

Press@RunDepth:                     psig @ 3694.00 ft (KB)

Start Date: 2014.09.20               End Date: 2014.09.20

Start Time: 14:32:05                 End Time: 21:29:29

Capacity: 8000.00 psig

Last Calib.: 2014.09.20

Time On Btm:

Time Off Btm:

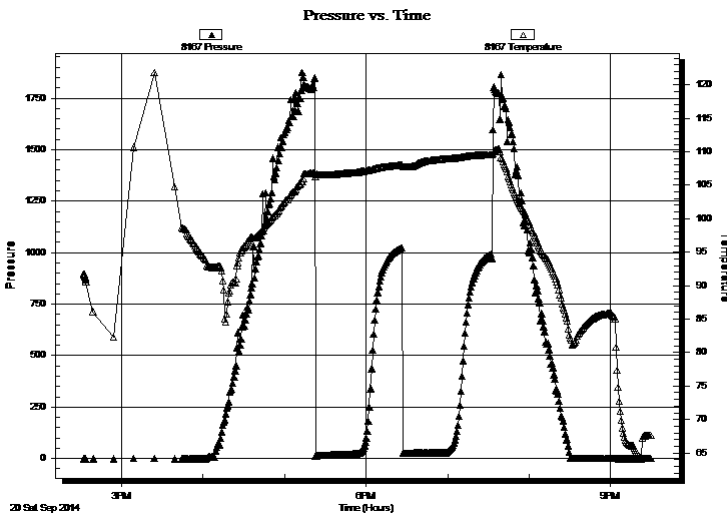
**TEST COMMENT:** I.F. - 30 - Weak surface blow built to 1"

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F.F. - 30 - No blow

F.S.I. - 30 - No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	O,C,M, 20%O 80%M	0.21

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

Job Ticket: 60533

**DST#: 2**

ATTN: Mark Downing / Charl

Test Start: 2014.09.20 @ 14:32:00

## Tool Information

Drill Pipe:	Length: 3672.00 ft	Diameter: 3.80 inches	Volume: 51.51 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 51.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3690.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3671.00	
Shut In Tool	5.00			3676.00	
Hydraulic tool	5.00			3681.00	
Packer	5.00			3686.00	20.00 Bottom Of Top Packer
Packer	4.00			3690.00	
Stubb	3.00			3693.00	
Perforations	1.00			3694.00	
Recorder	0.00	6772	Outside	3694.00	
Recorder	0.00	8167	Inside	3694.00	
Perforations	33.00			3727.00	
Bullnose	3.00			3730.00	40.00 Bottom Packers & Anchor

**Total Tool Length: 60.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

Job Ticket: 60533

**DST#: 2**

ATTN: Mark Downing / Charl

Test Start: 2014.09.20 @ 14:32:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 60.00 sec/qt

Cushion Volume: bbl

Water Loss: 5.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	O,C,M, 20%O 80%M	0.209

Total Length: 35.00 ft      Total Volume: 0.209 bbl

Num Fluid Samples: 0

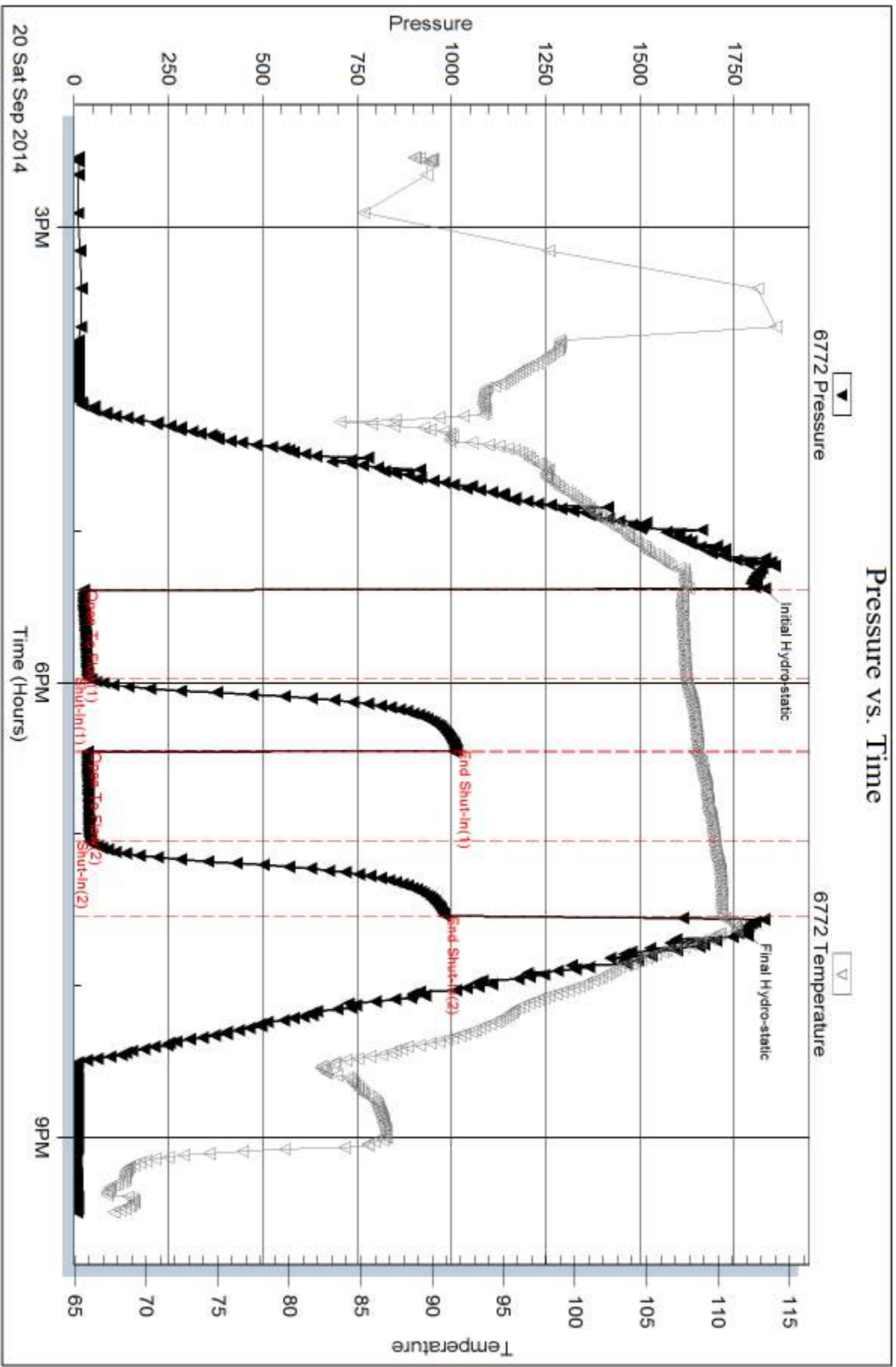
Num Gas Bombs: 0

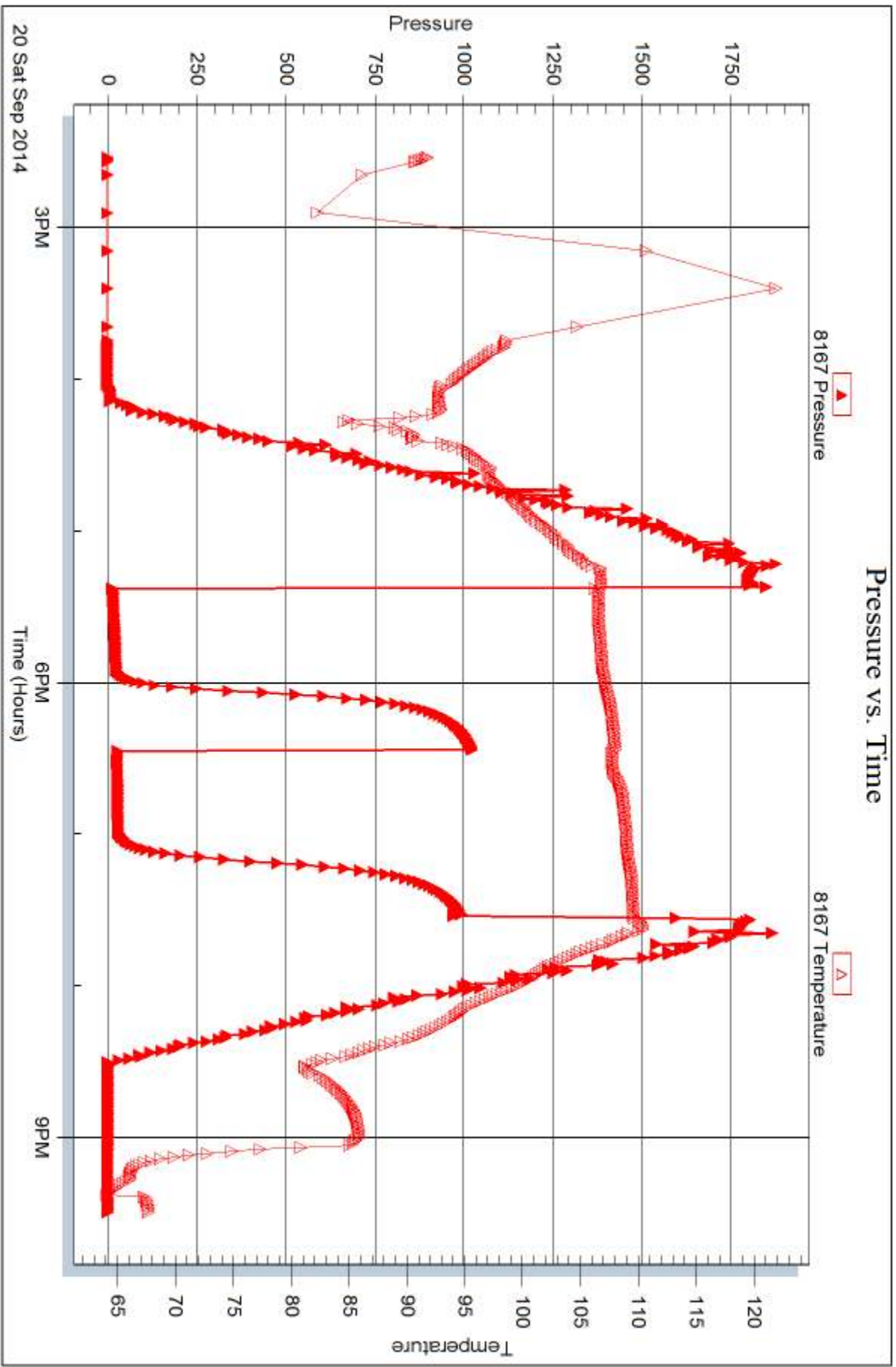
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc.**

P.O. Box 86  
Plainville KS. 67603

ATTN: Mark Downing / Charl

**26-7s-24w Graham,KS**

**Paxson-Rice Unit #26-1**

Start Date: 2014.09.21 @ 17:10:00

End Date: 2014.09.21 @ 23:39:00

Job Ticket #: 60534                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.23 @ 11:13:22

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

26-7s-24w Graham,KS

DST # 3

LKC "H - K"

2014.09.21



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

ATTN: Mark Downing / Charl

Job Ticket: 60534

**DST#: 3**

Test Start: 2014.09.21 @ 17:10:00

## GENERAL INFORMATION:

Formation: **LKC "H - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:04:30

Time Test Ended: 23:39:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

**Interval: 3778.00 ft (KB) To 3860.00 ft (KB) (TVD)**

Reference Elevations: 2394.00 ft (KB)

Total Depth: 3860.00 ft (KB) (TVD)

2388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 6772 Outside**

Press@RunDepth: 62.80 psig @ 3844.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.21

End Date:

2014.09.21

Last Calib.:

2014.09.21

Start Time: 17:10:05

End Time:

23:38:59

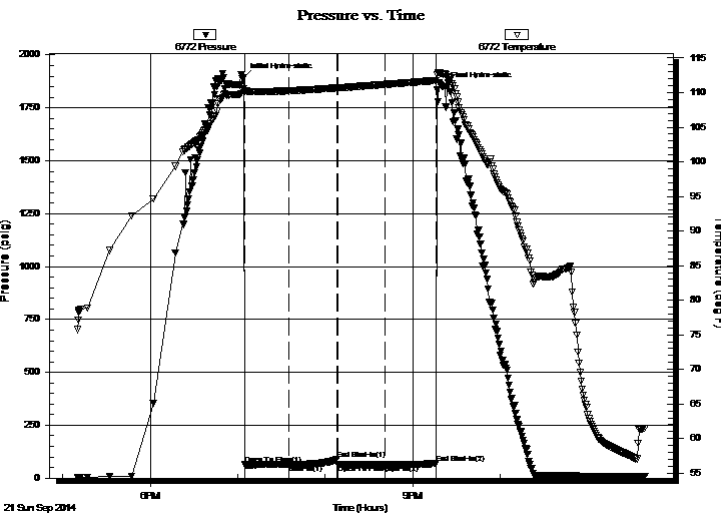
Time On Btm:

2014.09.21 @ 19:04:00

Time Off Btm:

2014.09.21 @ 21:21:15

**TEST COMMENT:** I.F. - 30 - Weak blow built to 3/4" died in 21 min  
I.S.I. - 30 - No blow back  
F.F. - 30 - No blow  
F.S.I. - 30 - No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1893.26	110.66	Initial Hydro-static
1	63.56	110.26	Open To Flow (1)
31	64.34	110.26	Shut-In(1)
64	87.87	110.70	End Shut-In(1)
65	63.80	110.69	Open To Flow (2)
97	62.80	111.19	Shut-In(2)
132	69.65	111.77	End Shut-In(2)
138	1850.64	112.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	MUD 100%	0.01

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

ATTN: Mark Downing / Charl

Job Ticket: 60534

**DST#: 3**

Test Start: 2014.09.21 @ 17:10:00

### GENERAL INFORMATION:

Formation: **LKC "H - K"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 19:04:30  
Time Test Ended: 23:39:00  
Interval: **3778.00 ft (KB) To 3860.00 ft (KB) (TVD)**  
Total Depth: 3860.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2394.00 ft (KB)  
2388.00 ft (CF)  
KB to GR/CF: 6.00 ft

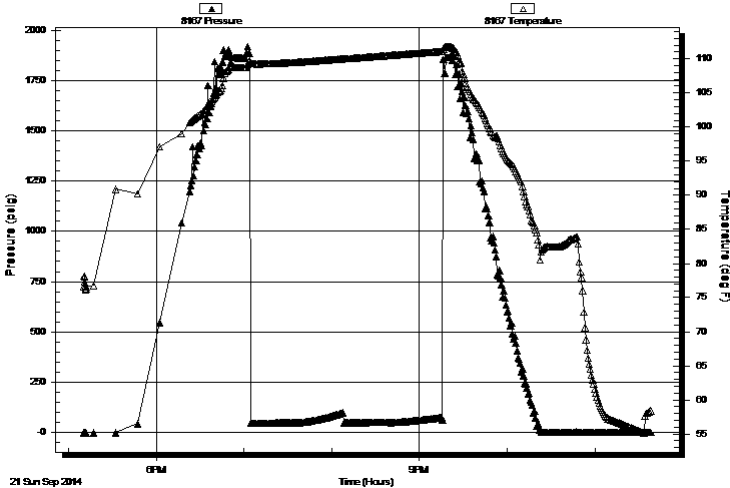
**Serial #: 8167**

**Inside**

Press@RunDepth: psig @ 3844.00 ft (KB)  
Start Date: 2014.09.21 End Date: 2014.09.21  
Start Time: 17:10:05 End Time: 23:38:44  
Capacity: 8000.00 psig  
Last Calib.: 2014.09.21  
Time On Btm:  
Time Off Btm:

**TEST COMMENT:** I.F. - 30 - Weak blow built to 3/4" died in 21 min  
I.S.I. - 30 - No blow back  
F.F. - 30 - No blow  
F.S.I. - 30 - No blow back

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
3.00	MUD 100%	0.01

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

Job Ticket: 60534

**DST#: 3**

ATTN: Mark Downing / Charl

Test Start: 2014.09.21 @ 17:10:00

## Tool Information

Drill Pipe:	Length: 3737.00 ft	Diameter: 3.80 inches	Volume: 52.42 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 52.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3778.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	102.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Packer	5.00			3774.00	20.00 Bottom Of Top Packer
Packer	4.00			3778.00	
Stubb	1.00			3779.00	
Perforations	1.00			3780.00	
Change Over Sub	1.00			3781.00	
Drill Pipe	62.00			3843.00	
Change Over Sub	1.00			3844.00	
Recorder	0.00	6772	Outside	3844.00	
Recorder	0.00	8167	Inside	3844.00	
Perforations	13.00			3857.00	
Bullnose	3.00			3860.00	82.00 Bottom Packers & Anchor

**Total Tool Length: 102.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H & C Oil Operating Inc.

**Paxson-Rice Unit #26-1**

P.O. Box 86  
Plainville KS. 67603

**26-7s-24w Graham,KS**

Job Ticket: 60534

**DST#: 3**

ATTN: Mark Downing / Charl

Test Start: 2014.09.21 @ 17:10:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	MUD 100%	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

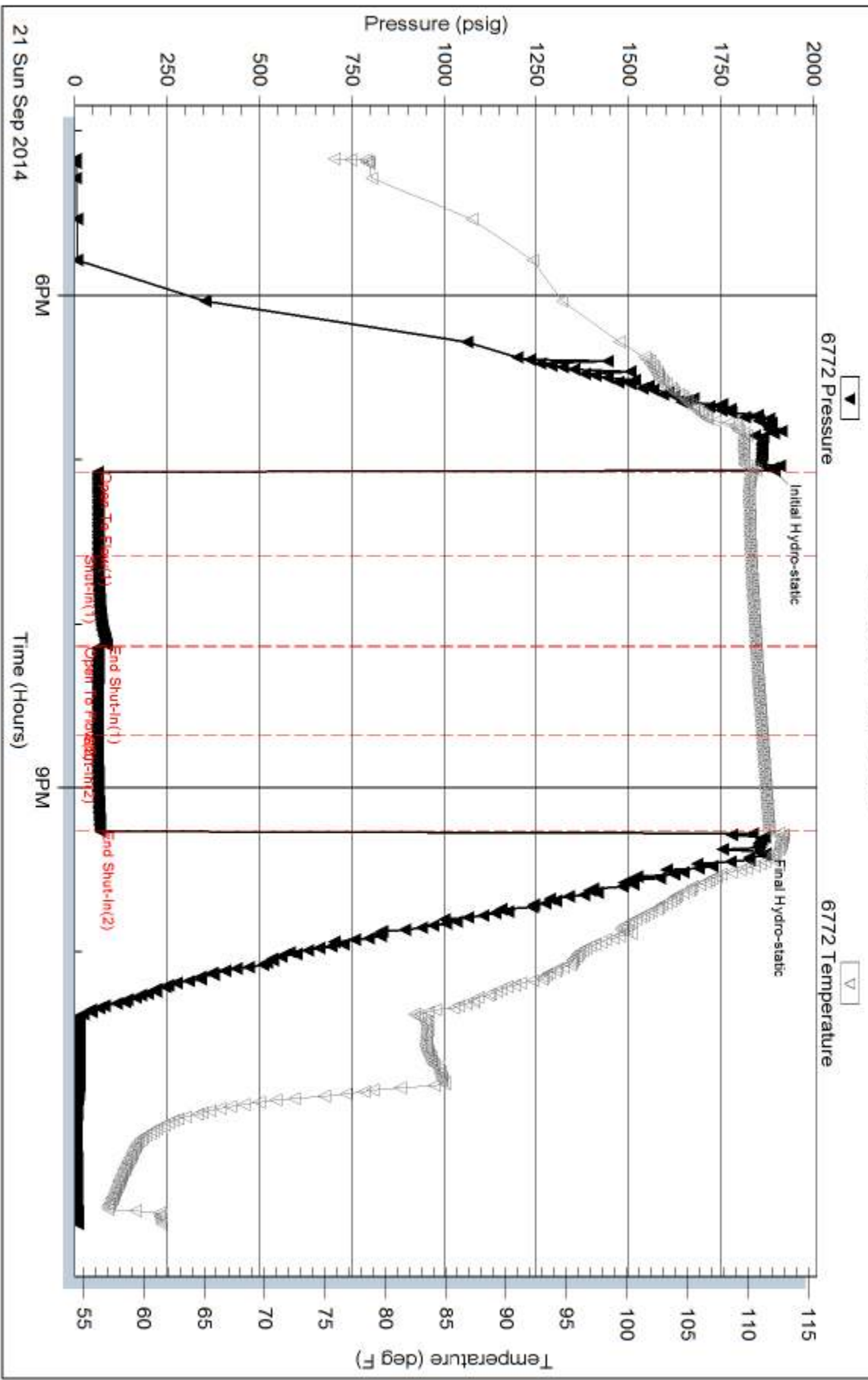
Laboratory Name:

Laboratory Location:

Recovery Comments:



### Pressure vs. Time



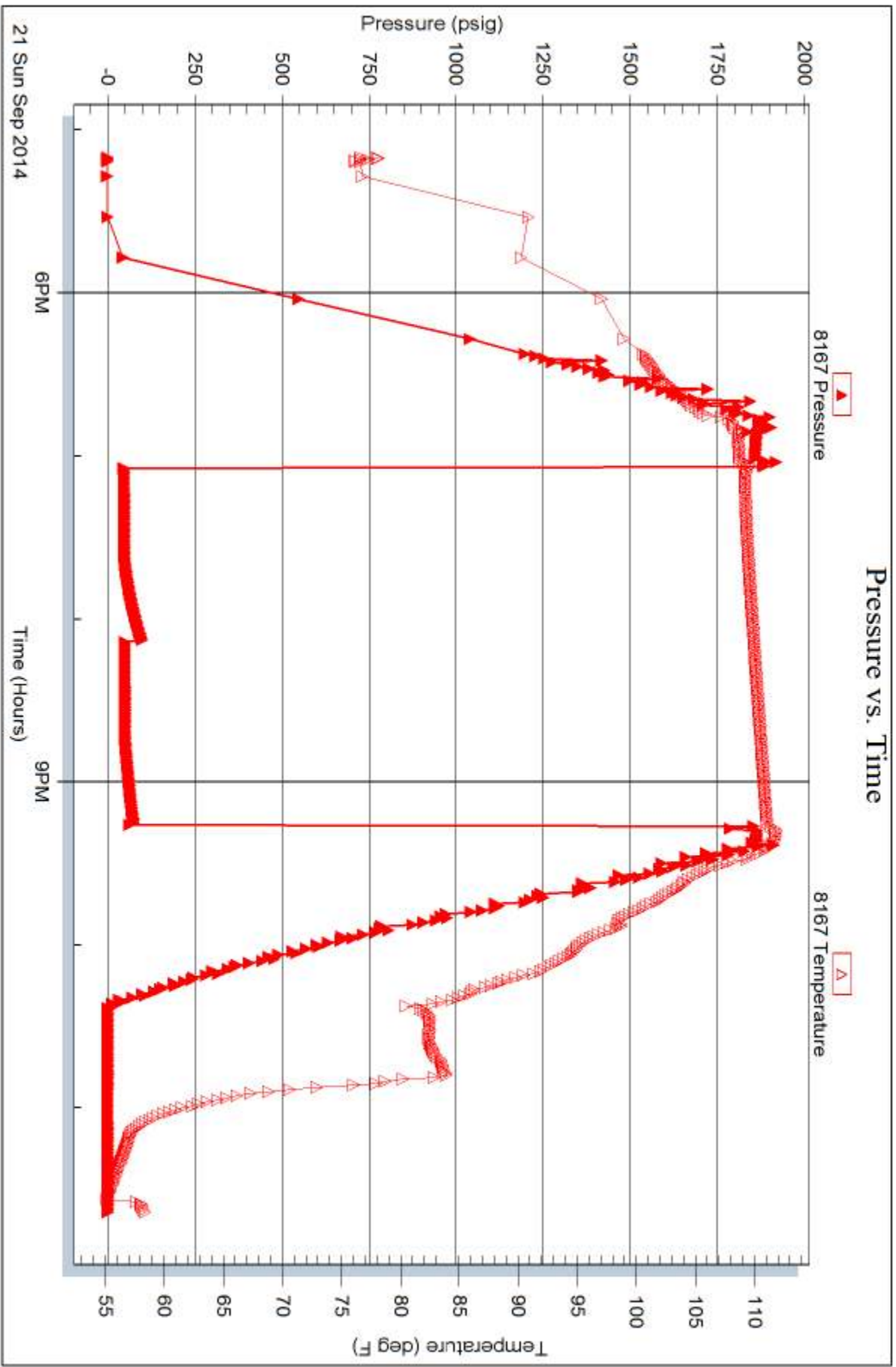
Serial #: 8167

Inside

H & C Oil Operating Inc.

26-7s-24w Graham,KS

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60534

Printed: 2014.09.23 @ 11:13:24



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60532

Well Name & No. Paxson-rice unit Test No. 1 Date 9-19-14  
 Company H+C oil operating INC. Elevation 2394 KB 2388 GL  
 Address P.O. Box 86 Plainville KS. 67603  
 Co. Rep / Geo. Mark Downing / Charles R. Ramsey Rig Eagle #2  
 Location: Sec. 26 Twp. 7-3 Rge. 24 w Co. Graham State KS.

Interval Tested 3665 - 3693 Zone Tested L.H.C. "A"  
 Anchor Length 28 Drill Pipe Run 3638 Mud Wt. 9.0  
 Top Packer Depth 3660 Drill Collars Run 31 Vis 49  
 Bottom Packer Depth 3665 Wt. Pipe Run - WL 6.0  
 Total Depth 3693 Chlorides 500 ppm System LCM trace

Blow Description I.F. - 30 - 1/2" INT. Blow Built to (B.O.B. in 8min.)  
I.S.F. - 45 - W.S.B.B started @ 1/2 Built to (3" in 45min.)  
F.F. - 30 - 3" INT. Blow Built to (B.O.B. in 7min.)  
E.S.F. - 48 - W.S.B.B. started @ 1min Built to (5" in 45min.)

Rec	Feet of	%gas	%oil	%water	%mud
0	461' G.I.P	100%			
315	C/O		100%		
126	H, O, C, M, W		30%	40%	30%
189	S, O, M, W		10%	60%	30%

Rec Total 630' BHT 117 Gravity 31.8 API RW .094 @ 65 °F Chlorides 96.000 ppm

(A) Initial Hydrostatic 1803  Test 1150 T-On Location 21:35:00  
 (B) First Initial Flow 37  Jars \_\_\_\_\_ T-Started 22:52:00  
 (C) First Final Flow 131  Safety Joint \_\_\_\_\_ T-Open 22:10:00  
 (D) Initial Shut-In 1161  Circ Sub \_\_\_\_\_ T-Pulled 04:40:00  
 (E) Second Initial Flow 150  Hourly Standby \_\_\_\_\_ T-Out 07:04:00  
 (F) Second Final Flow 233  Mileage 130/R.T 201.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 1147  Sampler \_\_\_\_\_ Thank-you  
 (H) Final Hydrostatic 1730  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 45  Day Standby \_\_\_\_\_ Total 1351.50  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1351.50

Approved By \_\_\_\_\_ Our Representative Bert Hamme

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60533

Well Name & No. Paxson - rice unit Test No. 2 Date 9-20-14  
 Company H+C oil operating INC. Elevation 2394 KB 2388 GL  
 Address P.O. Box 86 Plainville KS. 67603  
 Co. Rep / Geo. Mark Downing / Charles B. Ramsey Rig Eagle #2  
 Location: Sec. 26 Twp. 7-S. Rge. 24-W Co. Graham State KS.

Interval Tested 3690 - 3730 Zone Tested H.H.C "C + D"  
 Anchor Length 40 Drill Pipe Run 3672 Mud Wt. 9.2  
 Top Packer Depth 3685 Drill Collars Run 31 Vis 60+  
 Bottom Packer Depth 3690 Wt. Pipe Run — WL 5.8  
 Total Depth 3730 Chlorides 800 ppm System LCM 2\*

Blow Description I.F. - 30 - W.S.B. Built to (1" in 30 min.)

I.S.T. - 30 - No B.B.s

F.F. - 30 - No Blow

F.S.T. - 30 - No B.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>OC, M</u>		<u>20</u>		<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

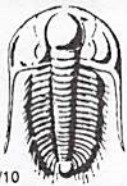
Rec Total 35 BHT 111 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1,832  Test 1150 T-On Location 14:05:00  
 (B) First Initial Flow 27  Jars \_\_\_\_\_ T-Started 14:32:00  
 (C) First Final Flow 38  Safety Joint \_\_\_\_\_ T-Open 17:27:00  
 (D) Initial Shut-In 1,016  Circ Sub \_\_\_\_\_ T-Pulled 19:27:00  
 (E) Second Initial Flow 36  Hourly Standby \_\_\_\_\_ T-Out 21:30:00  
 (F) Second Final Flow 45  Mileage 130 / R.T 201.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 985  Sampler \_\_\_\_\_ Thank-you  
 (H) Final Hydrostatic 1,777  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Total 1351.50  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1351.50

Approved By \_\_\_\_\_ Our Representative Bob Hamel

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60534

4/10

Well Name & No. Raxson - Rice unit Test No. 3 Date 9-21-14  
 Company H+C oil operating INC. Elevation 2394 KB 2388 GL  
 Address P.O. Box 86 Plainville KS, 67603  
 Co. Rep / Geo. Mark Downing / Charles R. Ramsey Rig Eagle #2  
 Location: Sec. 26 Twp. 7 S. Rge. 24 W Co. Graham State KS.

Interval Tested 3778 - 3860 Zone Tested L.K.C. "H-K"  
 Anchor Length 82' Drill Pipe Run 3737 Mud Wt. 9.2  
 Top Packer Depth 3773 Drill Collars Run 31 Vis 49  
 Bottom Packer Depth 3778 Wt. Pipe Run — WL 6.0  
 Total Depth 3860 Chlorides 600 ppm System LCM 1

Blow Description I.F.-30 - 1/4" INT. Blow Built to 3/4" then (Died in 2 min.)  
I.S.I.-30 - NO B.B.  
F.F.-30 - No Blow  
F.S.I.-30 - NO B.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>M</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total \_\_\_\_\_ BHT 112 Gravity — API RW — @ — °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1893</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>16:30:00</u>
(B) First Initial Flow <u>64</u>	<input type="checkbox"/> Jars _____	T-Started <u>17:10:00</u>
(C) First Final Flow <u>64</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>19:08:00</u>
(D) Initial Shut-In <u>88</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>21:08:00</u>
(E) Second Initial Flow <u>64</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>23:39:00</u>
(F) Second Final Flow <u>63</u>	<input checked="" type="checkbox"/> Mileage <u>130 R.T.</u> 201.50	Comments _____
(G) Final Shut-In <u>70</u>	<input type="checkbox"/> Sampler _____	<u>"Thank-you"</u>
(H) Final Hydrostatic <u>1851</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1351.50</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1351.50</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# QUALITY OILWELL CEMENTING, INC.

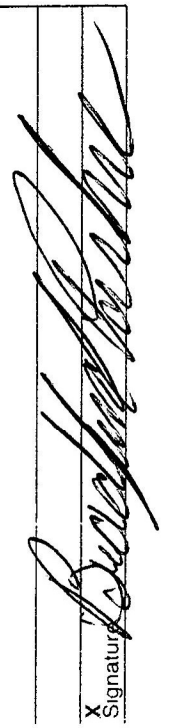
Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 385

Date	9-15-14	Sec.	26	Twp.	7	Range	34	County	Graham	State	KS	On Location		Finish	4:00 P.M.
Lease	Paxson Rice		Well No.		26-1										
Contractor	American Energy #2														
Type Job	Surface														
Hole Size	12 1/4														
Csg.	8 5/8														
Tbg. Size															
Tool															
Cement Left in Csg.	15'														
Meas Line	Displace <del>1000</del> 15' / 28L														
Pumptrk	No.	Cemented	EQUIPMENT												
Bulktrk	No.	Helper	15' / 28L												
Bulktrk	No.	Driver													
Bulktrk	No.	Driver													
Bulktrk	No.	Driver	Clinton												
JOB SERVICES & REMARKS															
Remarks:															
Rat Hole															
Mouse Hole															
Centralizers															
Baskets															
DN or Port Collar															
	8 5/8 on bottom Est. Circulation														
	Mix water & Displace														
	Amount Circulated														
	FLOAT EQUIPMENT														
	Guide Shoe														
	Centralizer														
	Baskets														
	AFJ Inserts														
	Float Shoe														
	Latch Down														
	Pumptrk Charge Surface														
	Mileage 27														
														Tax	
														Discount	
														Total Charge	

X Signature: 

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 303

Date	9-22-14	26	7	24	W	GRAHAM	KANSAS	On Location	11:30 PM
Lease	Paxon-Rice UNIT Well No 20-1								
Contractor	AMERICAN EAGLE Rig # 2 "BAG"								
Type Job	PRODUCTION STRING (CIRC. CEMENT)								
Hole Size	7 7/8	A.T.D. 3935'							
Csg.	5 1/2 New 14 #	Depth	3927'						
Tbg. Size	8 5/8	Depth	262'						
Tool	LATCH DN Plug Assy	Depth	@ 3906'						
Cement Left in Csg	207'	Shoe Joint	207'						
Meas Line	Displace 95.30/BBL								
EQUIPMENT									
Pumptrk #	18	Cementor Helper	GRAN G. CODY B.						
Bulktrk #	21	Driver	RONNIE M. RYAN						
Bulktrk #	15	Driver							
JOB SERVICES & REMARKS									
Remarks:									
Rat Hole	30 SX								
Mouse Hole									
Centralizers	1-8 29 45, SQ 64								
Baskets	30-65								
DN or Port Collar									
Run 24 New Joints of 14 # Csg. Set @ 3927', Reverse Circ. Drop "AFD" Ball". Circulate for 1 1/2 HR. ON Bottom. Pump Mud Flush, Followed BY 475 SX QMDC, + 150 SX QPROC. Clear-line, Release LATCH DN Plug. Displace a total of 95 1/2 BBL Mud HAD 100 # LIFT PRESSURE LAND Plug @ 1800 #. Release # of FRONT SHOE / LATCH DN Plug - (Memo) @ Cementing Cement Did Circulate TO SURFACE. Bob Plante									
Common	Common								
Poz. Mix									
Gel.									
Calcium									
Hulls									
Salt									
Flowseal									
Kol-Seal									
Mud CLR	48 500 GAL								
CFL-117 or CD110 CAF 38									
Sand									
Handling									
Mileage	FLOAT EQUIPMENT								
Guide Shoe									
Centralizer	TARB X 12								
Baskets	X 2								
AFU Inserts									
Float Shoe	X 1								
Latch Down	X 1								
Pumptrk Charge	Rotating Head								
Mileage									
Tax									
Discount									
Total Charge									